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PHONE CONTACTS:

Contact	Number	Hours of Operation
Customer Service	(800) 243-0000	24 hours a day / 7 days a week
Technical Support	(800) 847-7597	7am-7pm Mon-Fri / Sat 8-2 CST
Parts Sales	(888) 393-6484	7am-7pm Mon-Sat CST
Training Center	(256) 774-4051	8am-5pm Mon-Fri CST

WEB CONTACTS:

Web Site	Address	Description
LG USA	www.lgusa.com	Product information
Customer Service	us.lgservice.com	User manuals, FAQs
GCSC	aic.lgservice.com	Service manuals, parts, bulletins
Customer Service Academy	www.lgcsacademy.com	Web training, discussion forum
Live Training	lge.webex.com	Live training

LDF9810ST DISHWASHER

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IMPORTANT SAFETY NOTICE

The information in this training manual is intended for use by persons possessing an adequate background in electrical equipment, electronic devices, and mechanical systems. In any attempt to repair a major appliance, personal injury and property damage can result. The manufacturer or seller maintains no liability for the interpretation of this information, nor can it assume any liability in conjunction with its use. When servicing this product, under no circumstances should the original design be modified or altered without permission from LG Electronics. Unauthorized modifications will not only void the warranty, but may lead to property damage or user injury. If wires, screws, clips, straps, nuts, or washers used to complete a ground path are removed for service, they must be returned to their original positions and properly fastened.

CAUTION

To avoid personal injury, disconnect the power before servicing this product. If electrical power is required for diagnosis or test purposes, disconnect the power immediately after performing the necessary checks. Also be aware that many household appliances present a weight hazard. At least two people should be involved in the installation or servicing of such devices. Failure to consider the weight of an appliance could result in physical injury.

ESD NOTICE

Some of the electronics in appliances are electrostatic discharge (ESD) sensitive. ESD can weaken or damage the electronics in these appliances in a manner that renders them inoperative or reduces the time until their next failure. Connect an ESD wrist strap to a ground connection point or unpainted metal in the appliance. Alternatively, you can touch your finger repeatedly to a ground connection point or unpainted metal in the appliance. Before removing a replacement part from its package, touch the anti-static bag to a ground connection point or unpainted metal in the appliance. Handle the electronic control assembly by its edges only. When repackaging a failed electronic control assembly in an anti-static bag, observe these same precautions.

REGULATORY INFORMATION

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a residential installation. This equipment generates, uses, and can radiate radio frequency energy, and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures: Reorient or relocate the receiving antenna; Increase the separation between the equipment and the receiver; Connect the equipment to an outlet on a different circuit than that to which the receiver is connected; or consult the dealer or an experienced radio/TV technician for help.

DISCLAIMER

The information in this training manual was accurate at the time of publication. Every effort has been made to ensure accuracy. Updates, changes, etc. are available via GCSC and LGCSacademy. The information in this manual is intended for persons with adequate backgrounds in electronics, mechanical, and electronic servicing. The manufacturer and seller are not to be held responsible for any liability incurred from its use.

COMPLIANCE

The responsible party for this device's compliance is LG Electronics Alabama, Inc.; 201 James Record Road, Huntsville, AL, 35813.

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SAFETY TIPS

- Disconnect the power before servicing the dishwasher.
- Reconnect all grounding devices after repairs are complete. This includes all grounding wires that are attached by screw and ring connector as well as the power input, whether cordset and outlet or hardwired.
- Install the dishwasher on a properly fused and grounded dedicated circuit.
- Steam is HOT! Use care when working with live steam.
- Do not use the open door as a step or a resting place for dishes, pots and pans, and other heavy items.
- Use ONLY detergent and drying agents developed for automatic dishwashers. DO NOT use detergents made for hand-washing dishes.
- The dishwasher must be set on firm and even flooring that is at the same level as the kitchen flooring for the ease of installation and servicing.
- Do not leave the racks out of the dishwasher. Children may be tempted top play inside the dishwasher.
- If the dishwasher is not used for long periods (vacation, seasonal home, et al.) turn off the water valve.
- Touch the buttons with your fingers only. Do not poke them with forks, screwdrivers, or similar items.
- Do not use the dishwasher to wash items other than dishes and items used in food preparation. Do not put other items, like aquaria, toilet seats, bedpans, and other items in it. It is a dishwasher and not an autoclave.

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WARRANTY



LG ELECTRONICS, INC. LG Dishwasher Limited Warranty - USA

Your LG Dishwasher will be repaired or replaced, at LG's option, if it proves to be defective in material or workmanship under normal use, during the warranty period ("Warranty Period") set forth below, effective from the date ("Date of Purchase") of original consumer purchase of the product. This warranty is good only to the original purchaser of the product and effective only when used in the United States, including Alaska, Hawaii and U.S. Territories.

WARRANTY PERIOD:

LABOR: One Year from the Date of Purchase.

PARTS (except as listed below): 2 Years from the Date of Purchase.

Electronic Control Board: 5 Years from the Date of Purchase.

Dishwasher Rack: 5 Years from the Date of Purchase. **Stainless Steel Door Liner and Tub: Lifetime** (as long as owned by the original purchaser)

Replacement Units and Repair Parts may be new or factory remanufactured.

Replacement Units and Repair Parts are warranted for the remaining portion of the original unit's warranty period.

HOW SERVICE IS HANDLED:

In-Home Service: Please retain dealer's dated bill of sale or delivery ticket as evidence of the Date of Purchase for proof of warranty, and submit a copy of the bill of sale to the service person at the time warranty service is provided.

Please call 1-800-243-0000 and choose the appropriate option to locate your nearest LG Authorized Service Center.

Or visit our website at : http://www.lgservice.com.

THIS WARRANTY IS IN LIEU OF ANY OTHER WARRANTY, EXPRESS OR IMPLIED, INCLUDING WITHOUT LIMITATION, ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. TO THE EXTENT ANY IMPLIED WARRANTY IS REQUIRED BY LAW, IT IS LIMITED IN DURATION TO THE EXPRESS WARRANTY PERIOD ABOVE. NEITHER THE MANUFACTURER NOR ITS U.S. DISTRIBUTOR SHALL BE LIABLE FOR ANY INCIDENTAL, CONSEQUENTIAL, INDIRECT, SPECIAL, OR PUNITIVE DAMAGES OF ANY NATURE, INCLUDING WITHOUT LIMITATION, LOST REVENUES OR PROFITS, OR ANY OTHER DAMAGE WHETHER BASED IN CONTRACT, TORT, OR OTHERWISE. Some states do not allow the exclusion or limitation of incidental or consequential damages or limitations on how long an implied warranty lasts, so the above exclusion or limitation may not apply to you. This warranty gives you specific legal rights and you may also have other rights that vary from state to state.

THIS LIMITED WARRANTY DOES NOT APPLY TO:

- Service trips to your home to deliver, pick up, and/or install the product, instruct, or replace house fuses or correct wiring, or correction of unauthorized repairs.
- Damages or operating problems that result from misuse, abuse, operation outside environmental specifications
 or contrary to the requirements of precautions in the Operating Guide, accident, vermin, fire, flood, improper
 installation, acts of God, unauthorized modification or alteration, incorrect electrical current or voltage, or
 commercial use, or use for other than intended purpose.

The cost of repair or replacement under these excluded circumstances shall be borne by the consumer.

CUSTOMER INTERACTIVE CENTER NUMBERS

To obtain Customer Assistance, Product Information. Or Dealer or Authorized Service Center location.

Call 1-800-243-0000 (24 hours a day, 365 days per year) and select the appropriate option from the menu. Or visit our website at http://www.lgservice.com.

TO CONTACT LG ELECTRONICS BY MAIL

LG Customer Interactive Center P.O. Box 240007 201 James Record Road Huntsville, Alabama 35813

ATTN: CIC

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SPECIFICATIONS

ITEM

SPECIFICATION

Rated Input 120 V_{AC}, 60Ø Installation Built-in

Capacity 14 place settings Dimensions (inches) 23% X 25 X 33%

Weight (pounds) 128

Door Color Black, White, Stainless

Tub Stainless Steel
Control Electronic
Programs 6 Cycles
Rated Power (Watts) 1,350
Heater Power (Watts) 1,200
Upper Rack Adjustable
Lower Rack 50% Fold Down

Cutlery Rack Yes

Water Consumption 2.6 ~ 6.0 Gals. (10 ~ 26 Liters)

Power Consumption (kWh/year) 285 ~ 310

Operating Time (Minutes) 101 ~ 135 (normal cycle)

Fan Dry System Yes
Steam Generator Yes
Delay Start Function Yes
Auto-Off Power Switch Yes
Process Monitor Yes
Wash Level 5

Racks Nylon Coating

Operating Pressure (Bar) 20 ~ 120 (140 ~ 830 kPa)

FEATURES

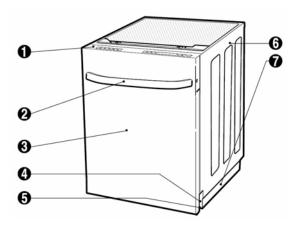
Ultra Large Capacity
Removable Cutlery Rack
Slim Direct-Drive Motor
Hybrid Drying System
Vario Spray System
Self-Cleaning Filter
Dual Intensity™ Wash Cycle
Steam Washing and Steam Delicate™

Steam Washing and Steam Delicate™
Light Tough Buttons and Blue LCD

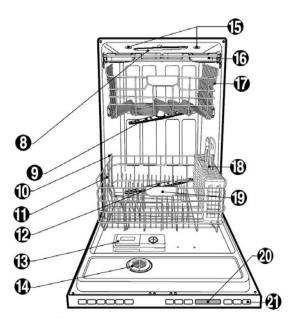
Auto-Off

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FEATURES, continued



- 1. Control Panel
- 2. Door Handle
- 3. Front Cover
- 4. Lower Cover
- 5. Leveling Foot
- 6. Side Cabinet
- 7. Base

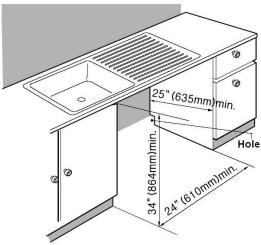


- 8. Top Spray Arm
- 9. Upper Spray Arm
- 10. Removable Tines
- 11. Steam Nozzle
- 12. Lower Spray Arm
- 13. Dispenser (Detergent / Rinse Aid)
- 14. Vapor Vent Cover
- 15. Tub Lamps (IllumiTub™)
- 16. Cutlery Rack
- 17. Upper Rack
- 18. Cutlery Basket
- 19. Lower Rack
- 20. Blue LCD Display
- 21. Power Button

INSTALLATION

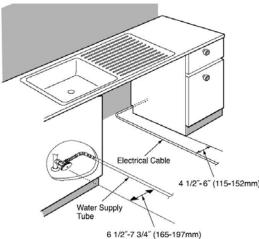
Installation is covered briefly for the servicer who may need to uninstall and reinstall the dishwasher for repairs. For new installations, please refer to the installation guide that was supplied with the dishwasher.

- We recommend a location as close to the sink as possible (but not directly under it) for easy connection to water and drain lines.
- The installation must be within 10' (3 m) of the sink for proper drainage.
- If the dishwasher is installed in a corner (next to an adjacent wall), there must be 2" (50 mm) clearance.
- The floor under the dishwasher should be at the same level as the rest of the room so the dishwasher can slide in and out easily for service.



Drill a 1½" hole on either side to allow for the drain hose, water supply hose, and electrical cable. The opening must be in an area within 4" (100 mm) of the back wall and 4" (100 mm) of the floor.

If there is a floor in the cabinet under the sink, it will be necessary to cut through it to connect the water, drain, and electrical cable under the sink.



The dishwasher must be supplied with 120 V_{AC} 60 Hz 1Ø current as indicated on the rating plate and connected to a properly fused and grounded dedicated 20-amp circuit.

The wire or water supply can be fed from either side, and both from the same side, depending upon source location.

They must be run in the channels under the dishwasher, as shown in the drawing.

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ELECTRICAL SUPPLY PREPATATION

The dishwasher can be hardwired if necessary and if permitted by local code. We recommend the use of a dishwasher installation kit, available at most hardware and home supply stored. This kit includes a cordset, a flexible water supply line, and the elbow connector necessary to connect it. Using a cordset requires an electric outlet under the sink accessible when the dishwasher is installed. The cordset makes it easier to disconnect the dishwasher from power while working on it and makes removal and replacement easier. As stated earlier, installation requires a properly fused and grounded dedicated circuit.

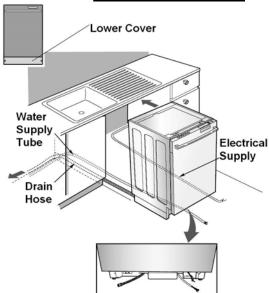
WATER SUPPLY PREPARATION

The dishwasher may be connected to either hot or cold water. If the hot water can not maintained below 149° F, the dishwasher must be connected to the cold water supply. Lay out the water supply line as indicated on page 14 of this training manual. Use sealing tape or joint compound to avoid leaks.

INSTALLATION







Adjust the legs to the required height for the dishwasher to slide under the countertop and be level. Check the level using a spirit level.

Attach the leveling feet kit to allow for fine tuning when the dishwasher is pushed into place.

To complete the installation:

Remove the lower cover.

Make sure the legs are adjusted and the dishwasher is level.

Lay out the electrical cable, water supply tube, and drain hose as shown.

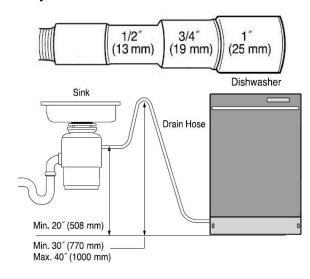
Slide the dishwasher carefully back into place.

Make the appropriate connections, as directed below.

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DRAIN CONNECTION

The drain hose must be connected in a manner that meets the local plumbing code. If the end of the drain hose does not fit the available connector, an adapter may be obtained from a local hardware or plumbing supplier.



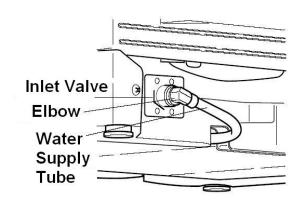
See supplementary drain information on page 50 of this training manual.

The rubber end can be cut off for the correct size attachment.

This drawing shows the drain line installed with a rise in the drain pipe but no air gap. It can also be with an air gap installed. Be sure to observe the clearances listed.

Most garbage disposers have a dishwasher drain fitting built in to them. If your installation does not include a disposer, you can use a special tail piece with a drain attachment available at most hardware and home supply stores.

WATER CONNECTION



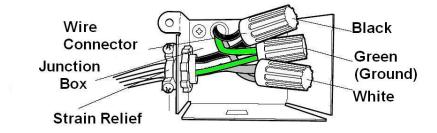
Turn off the water supply and connect the elbow to the inlet valve.

Connect the flexible supply tube to the elbow.

Use sealing tape to make all connections.

Make sure the supply line is not kinked.

ELECTRICAL CONNECTION



Use wire connectors and replace the cover on the junction box. (12/2 w/ ground, 20-amps)

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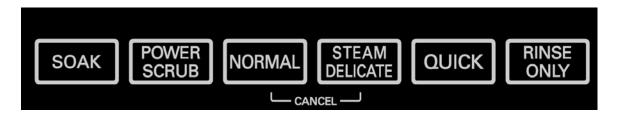
FINAL INSTALLATION

- 1. Turn on the water at the valve under the sink.
- 2. Turn on the power at the fuse or breaker (or plug in the cordset at the outlet under the sink.
- 3. Run the dishwasher through one QUICK cycle to check the operation and to check for water leaks.
- 4. Replace the lower cover.

When the door is closed, the top edge with the controls should be under the countertop.

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CONTROL PANEL



SOAK Heavily soiled loads, with cooked-on foods

POWER SCRUB Normal soil level, everyday loads NORMAL Normal soil level, everyday loads

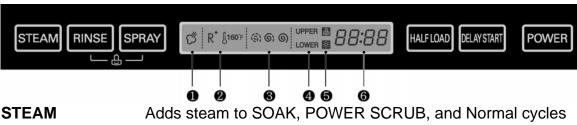
STEAM DELICATE Washing delicate items, crystal, stemware

QUICK

Light soil level, recently used dishes and cutlery

RINSE ONLY Rinses only, no washing

OPTIONS



RINSE
Pressing cycles through Sanitary, Extra Rinse, or both
Pressing cycles through Strong, Medium, or Soft spray
Pressing chooses either upper or lower rack instead of both
Each press delays the start by one hour up to 24 hours

CHILD LOCK Press and hold to engage/disengage

CANCEL Press and hold STEAM DELICATE and NORMAL

INDICATORS

0	€″	Steam option indicator – blinks if selected
2	R ⁺ €160°F	Rinse indicator – blinks if selected
₿	ବ୍ର ବ୍ର ବ୍ର	Spray indicator – blinks if selected
4	UPPER LOWER	Half load indicator
6		Child Lock – illuminated when engaged
	*	Rinse Aid – illuminated when refill is required
6	88 . 88	Time remaining before cycle ends

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PROGRAMS

01.	WA	SH		RINSE			Water	Time	Opt	ion
Cycle	Pre-Wash	Main Wash	Rinse 1	Rinse 2	Heating Rinse	DRY	(gal/L)	(min)	Rinse	Steam
	120 ℉	140~149℉			162℉					
SOAK							5.5~9.2/ 21~35	143~191	Usable	Usable
	49 ℃	60~65℃			72 ℃					
		131~145℉			154℉					
POWER							5.5~9.2/ 21~35	123~171	Usable	Usable
SCRUB		55~63℃			68℃					
		113~140℉			149℉					
NORMAL							2.6~6.9/ 10~26	110~135	Usable	Usable
		45~60℃			65℃					
075414		113~120℉			154 ℉					
STEAM DELICATE							5.5~6.9/ 21~26	93	Usable	Usable
DELICATE					68℃					
		115℉			140 ℉					
QUICK		-					5.5 / 21	74	Usable	Disable
		46℃			60℃					
RINSE										
ONLY							1.3 / 5	14	Disable	Disable

DUAL INTENSITY SPRAY WASH

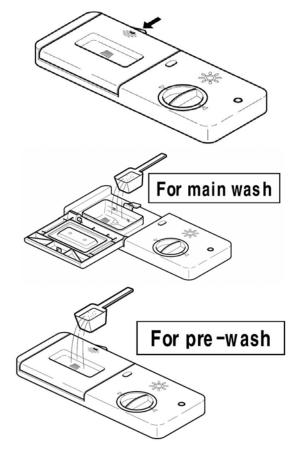
The spray intensity for the upper lower racks is programmable by the customer. By selecting SOFT SPRAY for the upper rack and STRONG SPRAY for the lower rack, you can wash delicate items like stemware on top while washing pots and pans on the bottom.

- 1. Press and hold **SPRAY** to illuminate the indicator.
- 2. Press **SPRAY** to set the intensity for the upper rack. (Strong/Medium/Soft/Off)
- 3. Press **HALF LOAD** to confirm the selection for the upper rack.
- 4. Press **SPRAY** to set the intensity for the lower rack.
- 5. Press **HALF LOAD** to confirm the selection for the lower rack.
- 6. Select other options.
- 7. Close the door.
- 8. The dishwasher will start.

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ADDING DETERGENT

Detergent must be added to the dispenser before the start of every cycle except RINSE ONLY. The detergent chamber holds 1.4 oz. (40 g) when full. If the dishes are only moderately dirty, it might be possible to use less detergent.



Press the latch button to open the detergent chamber.

Add detergent in the proper amount. (See chart, below.)

Close the cover and be sure the latch clicks.

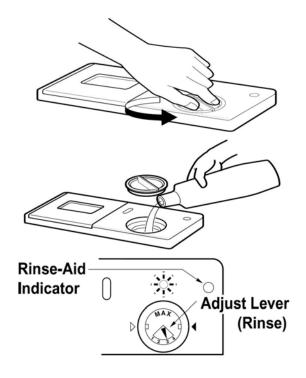
If pre-wash cycle is selected (in SOAK or POWER SCRUB only), add the appropriate amount of pre-wash detergent in the recess on the door cover. When you close the dishwasher door, the detergent will fall into the tub.

NOTE: Too much detergent can leave a film on the dishes.

CYCLE	Amt. Detergent						
Soak	Full (0.35 oz.)	3/4 full (1.05 oz.)					
Power Scrub	Full (0.35 oz.)	3/4 full (1.05 oz.)					
Normal	None	½ full (0.7 oz.)					
Steam Delicate	None	½ full (0.7 oz.)					
Quick	None	1/4 full (0.3 oz.)					
Rinse Only	None	½ full (0.7 oz.)					

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ADDING RINSE AID



Turn the round cap counterclockwise and remove it.

Fill the reservoir. It holds 4.8 oz. (145 ml)

Replace the cap and lock it.

Adjust the rinse-aid setting as necessary.

The factory setting for rinse aid dispensing is **3**. Too little rinse aid contributes to spotting, streaking, and poor drying performance. Too much rinse aid causes foaming, which leads to poor washing performance.

How often you refill the dispenser depends upon your washing habits, including the rinse aid setting, the number of loads per month you wash, and other factors. The indicator light will illuminate when the level is low at the start of a load.

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PROGRAM CHART

ı				nistd																		_								-		
				Drain	28		28		28		28		28	\dashv	28		28		18		Н	-		_				H				
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				Rinse	12		12		12				Н			П	Н		\Box		Н											
				Water Supply	Н								Н				Н		Н		Н											
				Drain	Н				Н		\exists		Н	\exists		Н	Н				Н											
	Rinse	3.5		Water Supply	П				П		\neg		Н	\neg		П	П		П		Н				_				Н			
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				Water Supply																												
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		Rinse 1		Water Supply									Ш						Ш		Ш											
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TEST MODE

BUTTON	The number of pushing button	Top Display	Load and Check	king points	Door open/ closed		
Rinse + Spray + Power	1 TIME	0n:3H / 0U:00	All LEDs are lit		All LEDs are lit		Both
Soak	1 TIME	00:00	All LEDs a	are lit	Both		
Power Scrub	1 TIME	11:11	All LEDs a	re lit	Both		
Normal	1 TIME	22:22	All LEDs a	are lit	Both		
Steam Delicate	1 TIME	33:33	All LEDs a	are lit	Both		
Quick	1 TIME	44:44	All LEDs a	are lit	Both		
Rinse Only	1 TIME	55:55	All LEDs a	are lit	Both		
Steam	1 TIME	66:66	All LEDs a	are lit	Both		
Rinse	1 TIME	77:77	All LEDs a	are lit	Both		
Spray	1 TIME	88:88	All LEDs a	are lit	Both		
Half Load	1 TIME	99:99	All LEDs a	are lit	Both		
	1 TIME	Steam generator Temp (°C)	Steam generator Thermistor	All LEDs	Both		
	2 TIMES	0n:H1	Steam generator Heater (for 1.2 sec)	All LEDs	Closed		
	3 TIMES	0n:33	Drain Pump	All LEDs	Both		
	4 TIMES	① Frequency	Inlet Valve	All LEDs	Closed		
	5 TIMES	0n:35	Dispenser	All LEDs	Closed		
Delay start	6 TIMES	0n:36	Sump Heater (for 10 sec)	All LEDs	Closed		
*	7 TIMES	0n:37	Fan Motor	All LEDs	Closed		
	8 TIMES	0n:38		All LEDs	Closed		
	9 TIMES	Sump Temp (℃)	Sump Thermistor	All LEDs	Both		
	10 TIMES	2 Soil level	Soil sensor	All LEDs	Both		
	11 TIMES	0n:3b / Motor RPM	Wash Pump	All LEDs	Closed		
	12 TIMES	Steam generator Water level	③H<50↑/L>200↑	All LEDs	Both		
	13 TIMES	0n:3d	Lower Nozzle (Vario)	All LEDs	Closed		
	14 TIMES	0n:3E	Upper Nozzle (Vario)	All LEDs	Closed		
	15 TIMES	0n:3F (RPM, Frequency)	W/Pump+Vario+ Heater (for 1min)	All LEDs	Closed		

① Normal water level: 270 ~ 275

Steam Demo mode: Steam + Power

2 Pure water: more than 130

③ H: High water level / L: Low water level

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TROUBLESHOOTING ERROR CODES

ERROR CODE	POSSIBLE CAUSE	SOLUTION
INLET ERROR	 Water supply valve closed Water supply shut off Inlet hose kinked Water pressure low (below 10 psi) 	Check valveCheck resistance of valve
Water not to normal level after 10 minutes' fill time	 Inlet valve defective Inlet valve filter clogged Hall sensor defective Input impeller is bound 	 Check resistance of valve (950~1,300Ω) Clean the inlet filter Check frequency in test mode (page 13) Replace air breaker
DRAIN ERROR Not completely drained after 5 minutes' drain time	 Drain hose kinked or blocked Wiring connection defective Drain outlet of sump blocked Drain pump, drain motor, or drain circuit is defective 	 Remove the kink or blockage Check the wiring connection Check the sump for blockage Measure the resistance of drain motor (20 ~ 40 Ω) Replace motor or repair circuit
LEAKAGE ERROR Excessive motor RPM due to water leakage FILL ERROR	 Water leakage in hose connections Water leak from damage Sump seal leakage Drain hose not high enough Washing pump impeller is damaged or worn Inlet valve defective Main board defective 	 Replace hose connections Repair damage Reseat or replace seal Adjust hose to meet installation requirements Replace impeller of washing pump Replace inlet valve Replace main board
Excess water supplied and drain pump runs automatically		

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ERROR CODE	POSSIBLE CAUSE	SOLUTION
上后	 Inlet water temperature too hot (over 194° F or 90 °C) 	Check water temperature using TEST MODE (See Page 13.)
THERMAL	Wiring connection defective	If temperature is displayed, adjust water
ERROR	Thermistor defective	temp. to 120° F (40° C). If temp. is not displayed,
Water not to normal level after 10 minutes' fill time		check wiring connections and resistance of the thermistor (11~14 KΩ @ 77° F or 25° C).
; ;=	Wiring connection looseWash pump impeller locked	Check wiring connectionsCheck wash pump for blockage
	Wash motor rotor is locked Plade is leaked.	Replace wash motor
LOCK ERROR	Blade is locked	 Check the sump for blockage
Motor is locked or hall sensor is defective.		Replace the main board

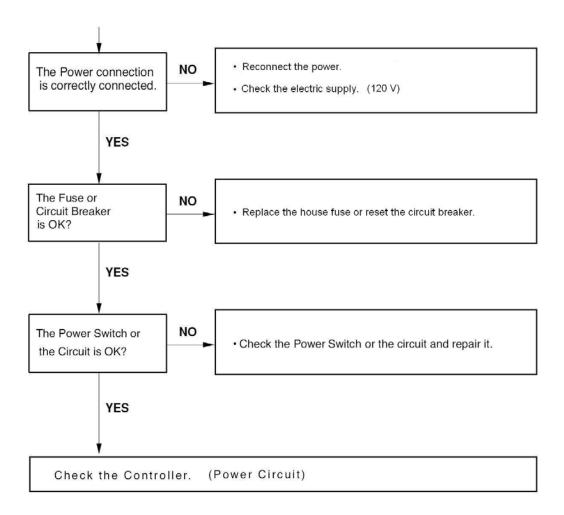
STEAM GENERATOR ERROR CODES

ERROR CODE	CONDITION	SOLUTION
00 : EO	Normal	
00 : E1	Steam generator temperature is too high (over 239° F or 115° C)	Check water level sensor and thermistor
00 : E2	Water level sensor failure	Check water level sensor and connection
00 : E3	Water level too low	Check water level sensor and inlet valve
00 : E4	Steam generator temperature is too low (under 158° F or 70° C)	Check heater and thermistor
00 : E5	Normal	

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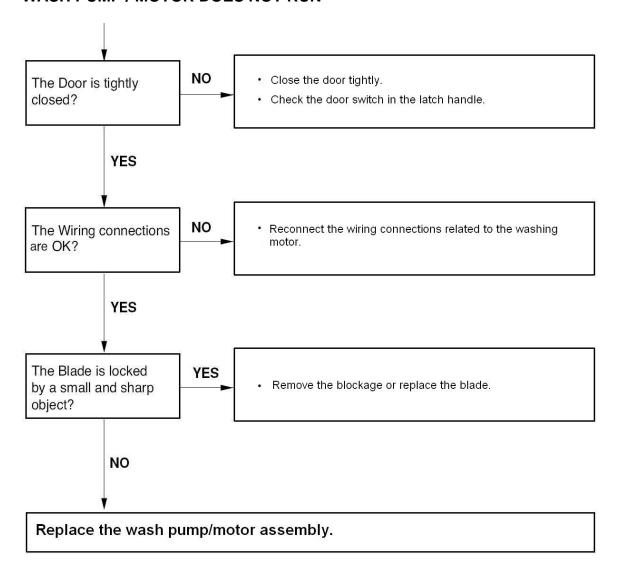
TROUBLESHOOTING

NO POWER WHEN THE POWER BUTTON IS PRESSED



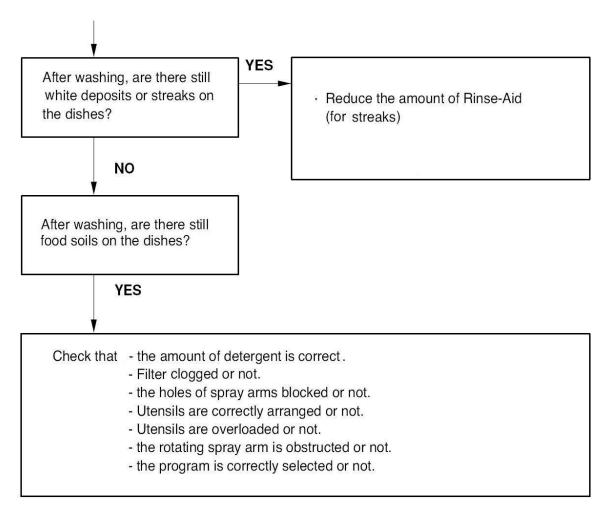
LDF9810ST Page 20 DISHWASHER

WASH PUMP / MOTOR DOES NOT RUN

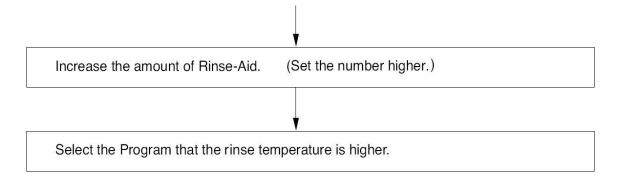


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WASHING RESULTS ARE UNSATISFACTORY

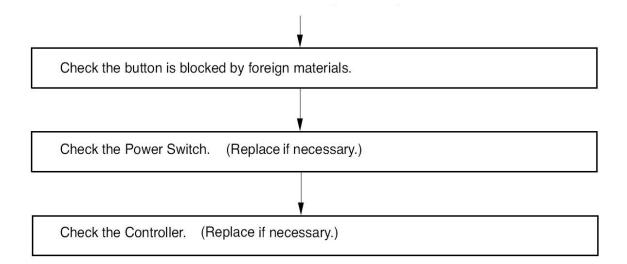


DRYING RESULTS ARE UNSATISFACTORY



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POWER BUTTON NOT AUTOMATICALLY OFF AFTER OPERATION



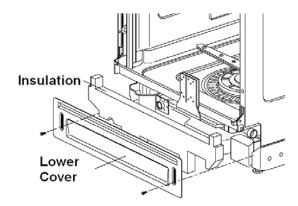
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DISASSEMBLY / REPAIR

Before disassembling the dishwasher:

- Unplug the dishwasher or turn off the breaker (or fuse)
 Disconnect the wire if the dishwasher is hard-wired.
- Turn of the water supply
- Remove all dishes and racks
- Disconnect the water supply line to avoid hose damage
- Have some towels ready to catch the spillage from water left in the dishwasher and to keep the floor safe.

LOWER COVER AND INSULATION

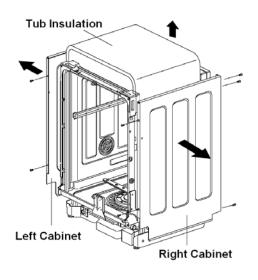


Remove the two screws in the lower cover.

Remove the insulation.

Disconnect the water supply hose and the electric cable if you are removing the dishwasher for service.

CABINET AND TUB INSULATION



Right Cabinet -

Remove two screws at the front and three screws at the rear.

Left Cabinet -

Remove two screws at the front and three screws at the rear.

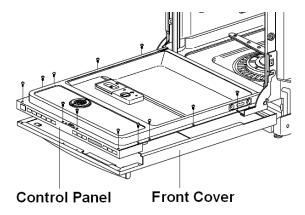
Insulation -

Remove the insulation blanket carefully by lifting straight up.

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DOOR ASSEMBLY

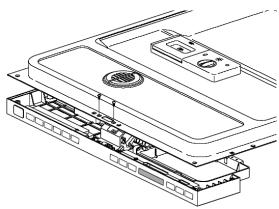
FRONT COVER



Open the door.

Remove 12 screws (stainless steel).

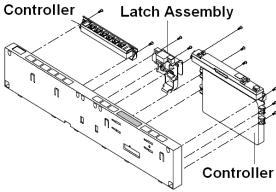
CONTROL PANEL ASSEMBLY



Remove 2 screws (stainless steel).

Remove the wire connections. (Do not reverse at reassembly!)

Remove the latch assembly.



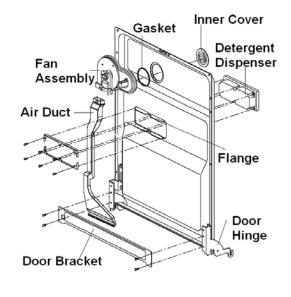
Remove the front display.

Remove 8 screws to take out the controller (main board).

Reassembly is the reverse order of disassembly. Be careful to avoid reversing the connectors.

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DOOR ASSEMBLY, continued



FAN ASSEMBLY

Remove the front cover. (See page 25.)

Remove 4 screws and a ground screw for the door bracket.

Remove the wire connections from the fan.

Remove the air duct.

Unscrew the inner cover to remove the fan assembly.

DETERGENT DISPENSER

Remove the wire connections.

Remove the 2 brackets (6 screws).

Use a screwdriver to pry the flange up to release the dispenser (above left.)

DOOR SPRING (Right and Left)

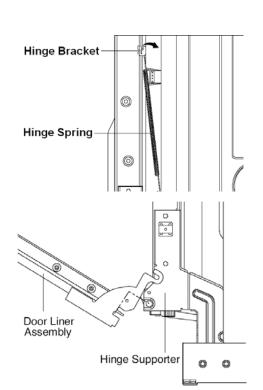
Pull the spring upward and take it off the hinge bracket.

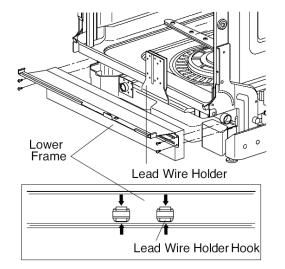
Take the spring off the hinge.



Open the door.

Pull the door liner upward off the hinge supporter.

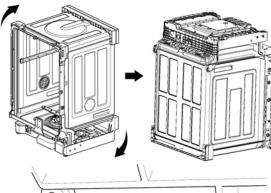




LOWER FRAME

Press the holder hooks as shown.

Remove the 4 screws.

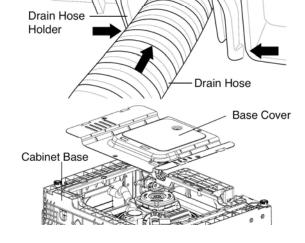


Turn the dishwasher upside down.



Press the holder hook as shown.

Pull the drain hose and remove the drain hose holder.

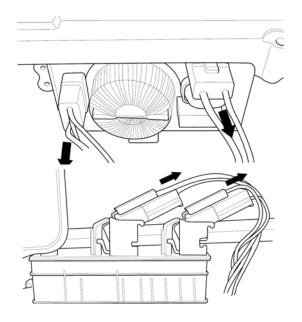


BASE COVER

Remove 2 screws.

Lift the base cover out of the base.

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LINE NOISE FILTER

Disconnect both connectors of the line noise filter.

FLOAT SWITCH ASSEMBLY

Remove the connections from the float assembly micro switches. Mark them to ensure you can reconnect them correctly after repairs.

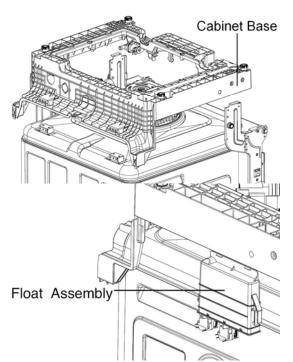
WIRING DIAGRAM

The wiring diagram is attached to the back of the lower cover.

CABINET BASE

Remove 8 screws around the base.

Lift the base upward off the dishwasher.

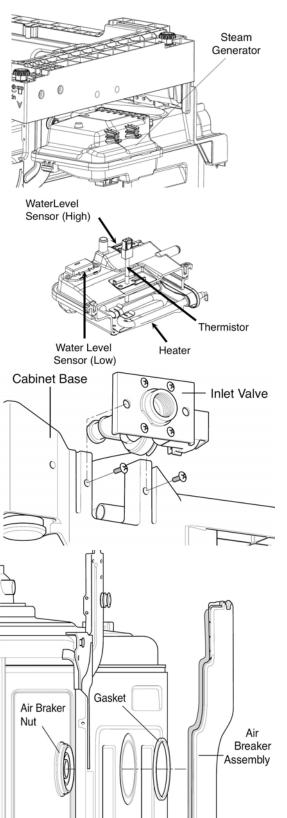


FLOAT ASSEMBLY

Press the hook to separate the float assembly.

Pull the float assembly free.

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STEAM GENERATOR

Squeeze the hose clamps and remove the 3 hoses from the steam generator. Remove 2 screws to take out the steam generator.

NOTE: Be careful in case the steam generator is still hot or has hot water in it.

The steam generator is sold as an assembly. The individual parts (heater, thermistor, and sensor) are not repairable or replaceable.

INLET VALVE

Disconnect the water supply line.

Remove the electrical ground wire.

Remove 2 screws that hold the valve to the base and take out the valve.

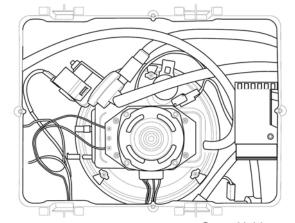
AIR BREAKER ASSEMBLY

Disconnect three hoses from the air breaker assembly.

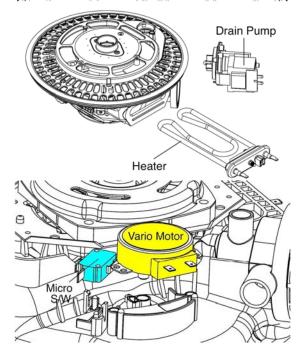
Unscrew the cover on the inside of the dishwasher.

Be sure not to lose the gasket (O-ring) that fits between the outside of the tub and the air breaker assembly.

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Sump Holder Hook Sump Assembly



SUMP ASSEMBLY

Remove the wiring connections, including the ground wires attached by screws.

Remove the hose connections.

Lift the sump assembly out of the base of the dishwasher.

Remove the 2 screws and sump holder clips. Be careful not to let the sump assembly fall into the tub.

Press the hooks gently toward the center of the sump assembly and lower the sump assembly into the tub while supporting it with one hand.

HEATER and DRAIN MOTOR

Loosen the nut on the heater retainer to the end of the shaft and wiggle the heater out of the sump.

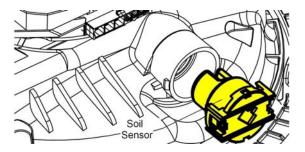
Remove 3 screws and detach the drain pump from the sump.

VARIO MOTOR

Remove 2 screws that attach the vario motor to the sump.

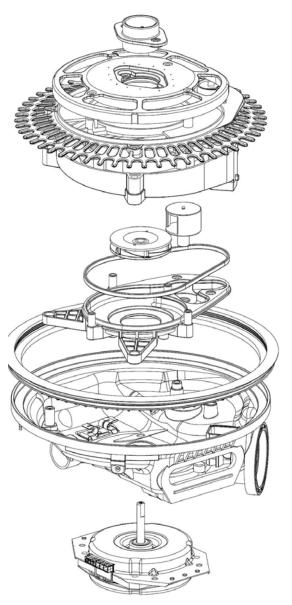
Remove the vario motor and the micro switch.

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SOIL SENSOR

Lift the retaining clips and pull the soil sensor (turbidity sensor) from the sump.

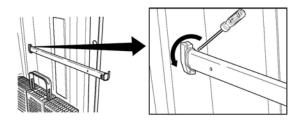


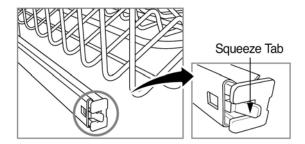
REASSEMBLY

When reassembling the sump. be careful to avoid kinking or damaging the small seals and gaskets inside it.

(See page 39 in the exploded view.)

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CUTLERY RACK RAIL

Insert a screwdriver in the gap behind the rail at the back end and pry the end cap off. It is easily broken, so have a replacement available.

UPPER RACK RAIL

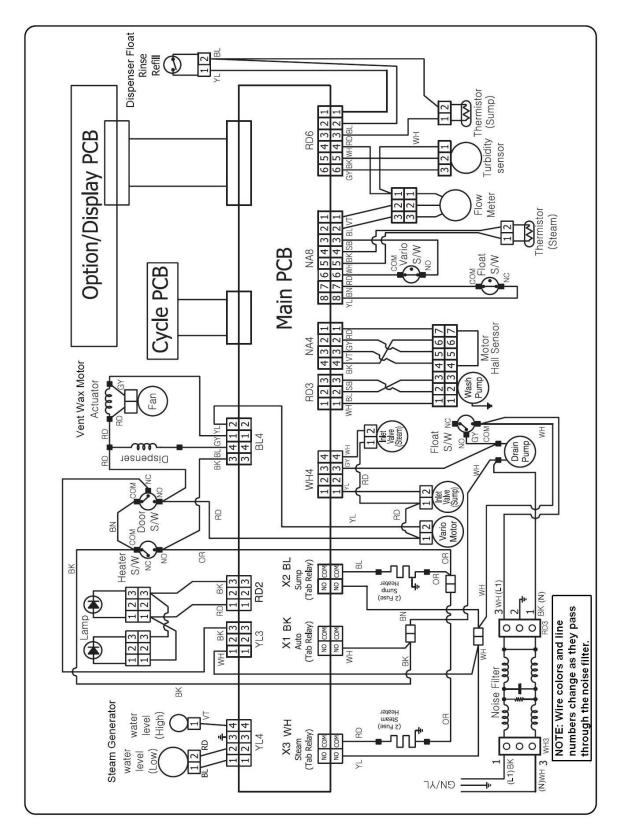
Pull the upper rack out until it stops.

Squeeze the tab of the stopper and pull the stopper out. Be careful the upper rack does not fall out of the rail while you do this.

Pull the upper rack out of the slides.

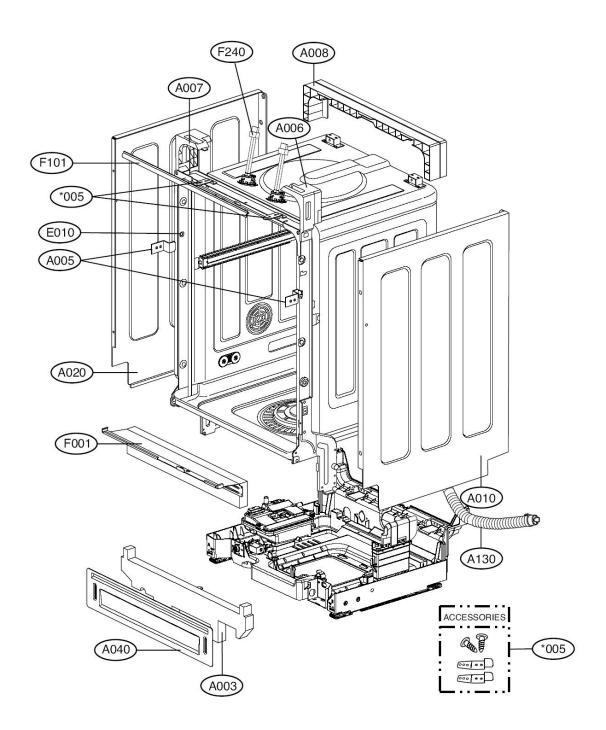
LDF9810ST Page 32 DISHWASHER

WIRING DIAGRAM



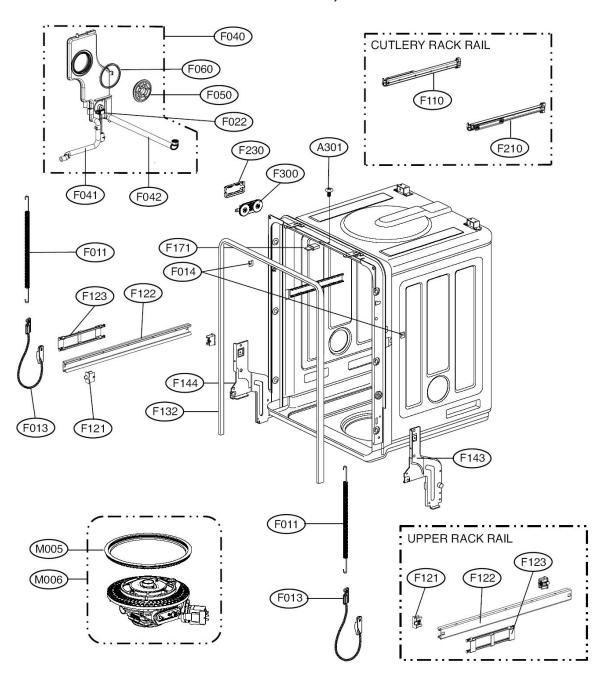
LDF9810ST Page 33 DISHWASHER

EXPLODED VIEWS



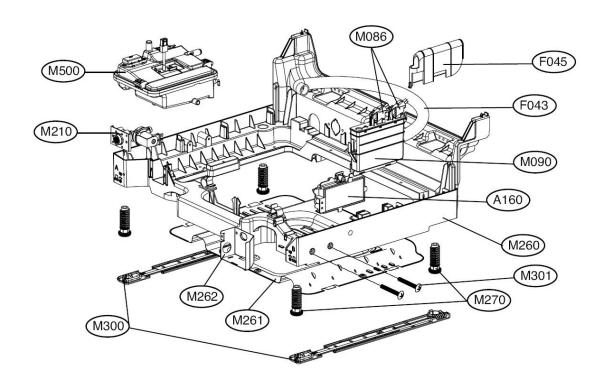
LDF9810ST Page 34 DISHWASHER

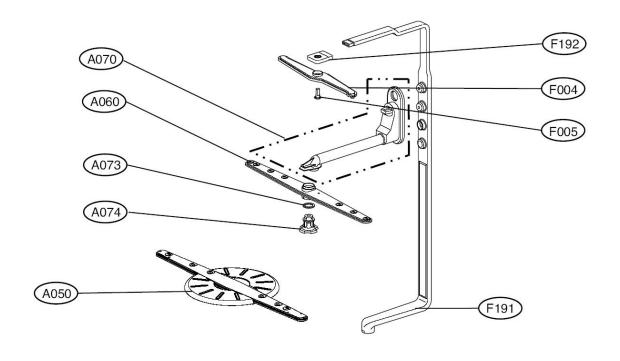
EXPLODED VIEWS, continued



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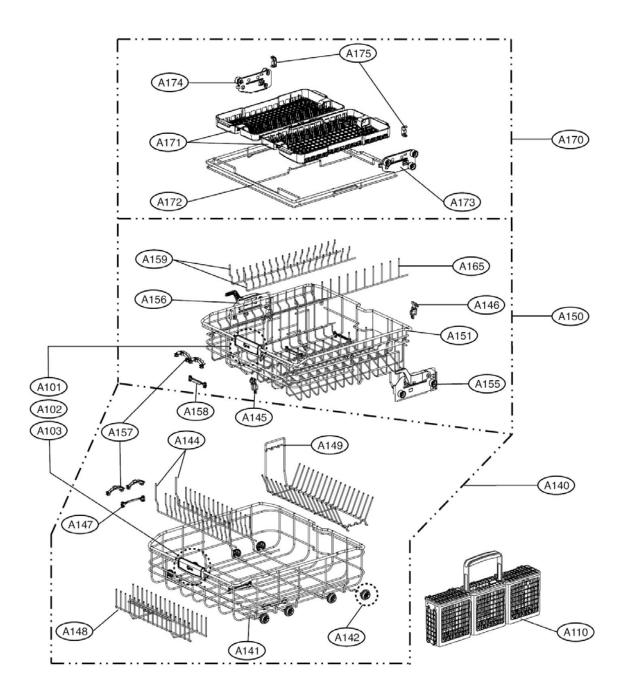
EXPLODED VIEWS, continued





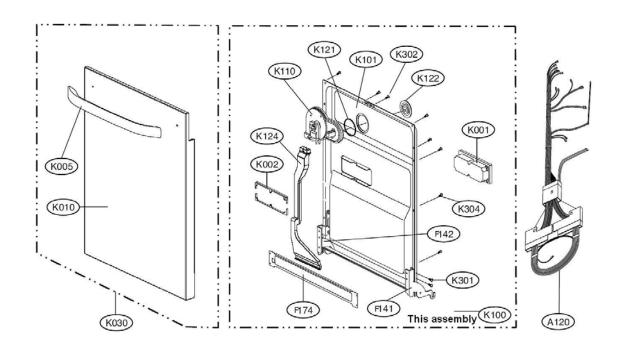
LDF9810ST Page 36 DISHWASHER

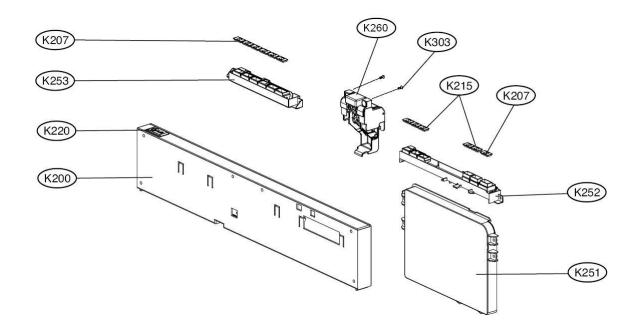
EXPLODED VIEWS, continued



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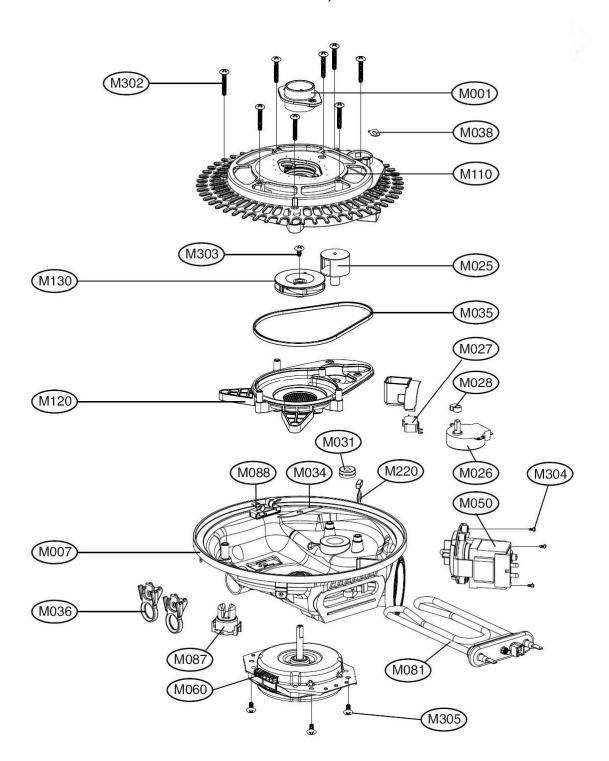
EXPLODED VIEWS, continued





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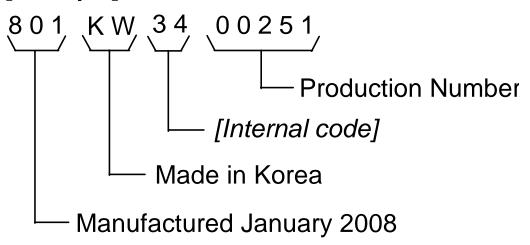
EXPLODED VIEWS, continued



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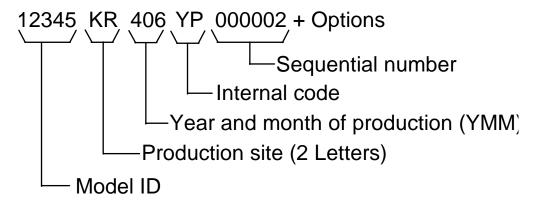
SERIAL NUMBERS

[Example] 801KW3400251





New Serial Code (ETA Mid 2008)



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PARTS LIST

Loc.	Part Number Description		Qty.
*001	AFN31666719	Owner's Manual	1
*002	3890DZ3015A	Box, Carton	1
*003	MFL37554802	Manual, Service	0
*005	5001DD4001A	Accessory Assembly	1
A003	ACV34326901	Damper (Insulation)	1
A005	4810DD4002B	Bracket, Top	2
A006	4980ED2015A	Supporter, Holder	1
A007	4980ED2014A	Supporter, Holder	1
800A	4980ED2018B	Supporter, Holder	1
A010	3090ED1001F	Cabinet	1
A020	3091DD1001F	Cabinet Assembly	1
A040	3551DD2001E	Cover Assembly, Lower	1
A050	5249DD1002Q	Nozzle Assembly, Lower	1
A060	5249DD1001A	Nozzle Assembly, Upper	1
A070	4975DD1002A	Guide Assembly, Upper Nozzle	1
A073	1WZZDD3001A	Washer, Common	1
A074	4370ED3007A	Shaft, Nozzle	1
A101	MEB38945801	Handle (Rack)	1
A102	MEB38945901	Handle (Rack)	1
A103	MEB38946001	Handle (Rack)	1
A110	5005DD1001B	Basket Assembly, Spoon	1
A120	EAD38156501	Harness, Multi	1
A130	AEM30700301	Hose Assembly, Drain	1
A140	AHB33839701	Rack Assembly, Lower	1
A141	MGR38994701	Rack	1
A142	4581DD3003B	Roller Assembly	8
A144	3750DD2003A	Rack	2
A145	4930ED3003D	Holder	1
A146	4930ED3004D	Holder	1
A147	4930DD3006A	Holder	1
A148	3750DD1001A	Rack	1
A149	3750DD1002A	Rack	1
A150	AHB33839501	Rack Assembly, Upper	1
A151	MGR38994101	Rack	1
A155	AEC32598702	Guide Assembly, Right	1
A156	AEC32598602	Guide Assembly, Left	1
A157	4930DD3003B	Holder	2
A158	4930DD3005A	Holder	2
A159	3750DD2002A	Rack	2
A160	6201EC1006A	Filter Assembly, AC Line	1

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Loc.	Description	Part Number	Qty.
A165	MGR38994201	Rack, Tine	1
A170	AHB33839401	Rack Assembly, Cutlery	1
A171	MJS38945601	Tray, Cutlery	2
A172	MGR38994001	Rack, Cutlery	1
A173	AEC33858601	Guide As'mbly, Cutlery Rack, Right	1
A174	AEC33858701	Guide As'mbly, Cutlery Rack, Left	1
A175	MEG38945701	Holder, Cutlery Rack	2
A301	1SBF0402418	Screw, Taptite, Latch Lock	1
E010	4830ED4001A	Bush	2
F001	3211DD1001A	Frame Assembly	1
F004	5249DD2001A	Nozzle Assembly, Top	1
F005	4370ED3006A	Shaft, Nozzle, Top	1
F011	4970ED4004G	Spring, Hinge	2
F013	4933DD3001A	Connector Assembly	2
F014	4810ED4004A	Bracket, Hinge	2
F022		Sensor Assembly	1
		Guide Assembly	1
	AEM34434401	Hose Assembly, Connector	1
	5214DD3003A	Hose, Connector	1
F043	MEJ39603301	Hose, Connector	1
F045	3550DD2001A	Cover, Protect	1
F050	4020FD3641C	Nut, Common	1
F060	4986DD3001A	Gasket	1
F101	3920DD3002A	Packing	1
F110	4581DD3001A	Roller Assembly, Third Rack, Left	2 1
F118 F121	4620ED3003A MJB32864101	Stopper, Roller Stopper, Roller, Upper Rack Rail	1
F121	MGT32863801	Rail, Upper Rack	2
	AEN32597901	Housing Assembly, Bearing	2
F132	3920DD3005A	Packing, Tub	1
F141	4775DD2001A	Hinge Assembly, Door	1
F142	4775DD2001A	Hinge Assembly, Door	1
F143	4775ED3004A	Hinge Assembly, Tub	1
F144	4775ED3003A	Hinge Assembly, Tub	1
F171	4026DD3001A	Locker, Lock	1
F174	4810DD1001A	Bracket, Hinge	1
F191	MEA36937101	Guide, Water	1
F192	4974DD3001A	Guide, Nozzle	1
F210	4581DD3001B	Roller Assembly, Third Rack, Right	2
F230	4810DD4005A	Bracket, Tub	2
F240	6913ER4001B	Lamp, Incandescent	2
F300	AGB33696301	Steam Nozzle Assembly	1
K001	4924FD2123E	Dispenser	1

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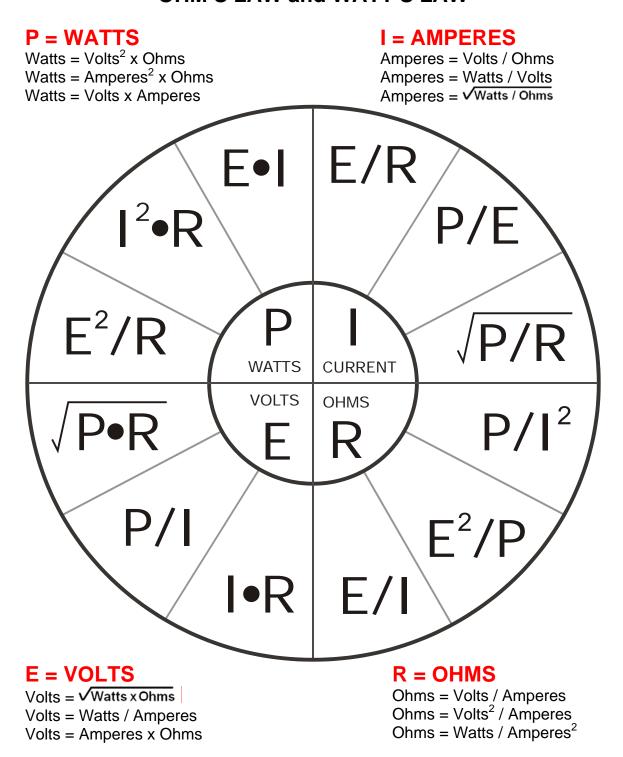
Loc.	Description	Part Number	Qty.
K002	4810FD3805A	Bracket Assembly	2
K005	AED33189701	Handle Assembly	1
K010	3550ED0001J	Cover, Front	1
K030		Cover Assembly, Front	1
K100		Door Liner, Casing/Dispenser/Vent	1
K101	AGM34891601	Assembly (door liner, insul, gasket)	1
K110	5835ED2002D	Impeller Casing Assembly	1
K121	5834FD3666A	Impeller Gasket	1
K122	3550ED3011A	Cover, Blower	1
K124	MJZ36939301	Vent	1
K200	AGL33667101	Panel Assembly, Control	1
K207	MCK40133201	Cover, Guide	7
K215	MCK40228201	Cover, Guide	5
K220	AFZ34353901	Name Plate Assembly	1
K251	EBR38144401	PCB Assembly, Main	1
K252	EBR38145001	PCB Assembly, Display	1
K253	EBR38145201	PCB Assembly, Display	1
K260	4027ED3002D	Locker Assembly	1
K301	4000FD4268A	Screw, Custom, Door Liner Hinge	4
K302	1SZZED3001A	Screw, Custom, Door Liner, Cover	6
K303	1SZZED3002A	Screw, Custom, Door Latch	2
K304	1SZZED3003A	Screw, Custom, Front Cover	6
M001	4930DD3002A	Holder	1
M005	MDS37912401	Sump Gasket	1
M006	AJH31248603	Sump Assembly	1
M007	AJH32598001	Sump Assembly	1
M025	MJX32862501	Valve, Check	1
M026		Vario Motor	1
M027		Switch, Micro	1
M028	MBJ32856401	Cam, Switch	1
M031	3920ED4009B	Vario Motor Packing	1
M034	5832DD4001A	Blade	1
M035	MFZ32863101	Packing	1
M036	4930DD3008A	Holder	2
M038	4930DD3012A	Holder	1
M050	4681EA2002D	Motor Assembly, AC, Drain Pump	1
M060	4681ED1004A	Motor Assembly, DC, Washer	1
M081	5301DD1001A	Heater Assembly	1
M086	3W40025P	Switch, Micro	2
M087	6501ED2002F	Sensor Assembly, Turbidity	1
M088	3740ED3003A	Cover	1
M090	4769DD2001B	Float Assembly	1
M110	ADQ32598202	Filter Assembly, Mesh	1

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Loc.	Description	Part Number	Qty.
M120	ABQ32598101	Pump Case Assembly	1
M130	5911ED3003A	Impeller Assembly	1
M210	AJU33450701	Valve Assembly, Inlet	1
M220	5220ED4004A	Valve, Check	1
M260	MAM34326301	Base, Cabinet	1
M261	ACQ31707201	Cover Assembly, Base	1
M262	3110DD3002A	Case	1
M270	4778DD3001A	Leg	4
M300	5001DD2001C	Accessory Assembly	1
M301	4W51229F	Screw, Customized	4
M302	1SZZED3005A	Screw, Customized	8
M303	1SZZED3006A	Screw, Customized	1
M304	1SZZFA4305A	Screw, Customized	3
M305	4W51194D	Screw, Customized	4
M500	ADZ32992801	Steam Generator Assembly	1

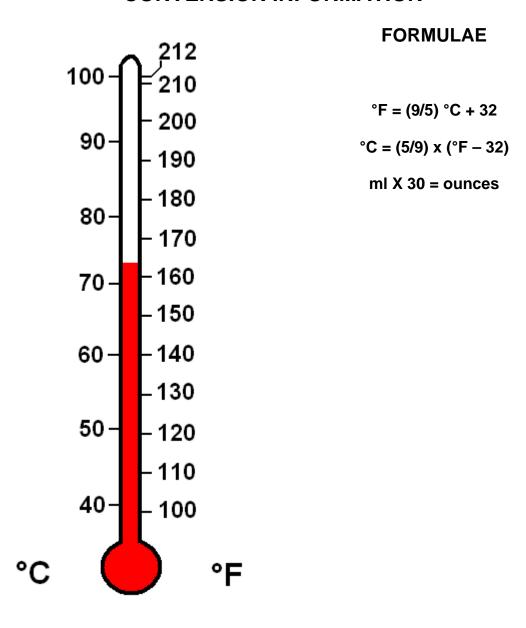
LDF9810ST Page 44 DISHWASHER

OHM'S LAW and WATT'S LAW



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CONVERSION INFORMATION



LDF9810ST Page 46 DISHWASHER

SERVICE BULLETINS

The bulletins included here were current and accurate at the time this manual was printed. The servicer is encouraged to check GCSC regularly for new and updated bulletins.



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SERVICE BULLETIN



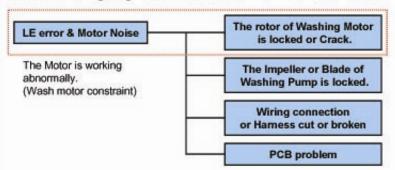


LG Electronics Inc.

Date of issue: 28 May, 2007

4.SVC Method

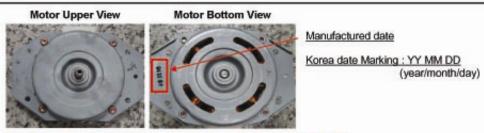
Improved parts have been applied to all models that were produced since 15 March 2007.
 Use the following diagnostic chart to determine if the motor needs to be replaced.



When replacing the BLDC motor (P/n 4681ED1004A) in the dishwasher, verify the motor manufacturing date as shown below. Improved BLDC motor began 15 March 2007. (Verify date on motor – the part number has not been changed)

If manufacturing date is before 15 March 2007 DO NOT USE THE MOTOR.

Manufactured date is marked on the bottom of upper bracket.



SVC Motor Manufactured date must be after 070315 (15 March 2007)

[Differences before and after]

[P/No] Motor ASM : 4681ED1004A

The date code is the only visible difference between parts. The part number is unchanged.

[Parts Stock]

All old stock (dated prior to 15 Mar 2007) must be scrapped. All old motors will be replaced with new stock.

LDF9810ST Page 48 DISHWASHER

Appendix

☐ Information of Sump Assy P/No. & PCB P/No.

(Refer to the SVC Bulletin No. IDSW20070074)

-Some parts have been changed to enhance energy performance (Sump, PCB, Blower, Vent, Water Guide)

(Energy consumption for one year reduced from 350kWh/year to 294kWh/year)

	Main PCB Assembly							
Period	501 ~ 512	601	602 ~612	701~				
Spec	-	Add relay in Base* (Except LDF6810)	Change IPM maker & Add thermistor	Change PGM & Housing (Energy factor upgrade)				
LDF7811- -	6871DD1006A	6871DD1014A	6871DD1006E	6871DD1006J				
LDF7810- -	6871DD1006C	6871DD1014C	6871DD1006G	6871DD1006L				
LDS5811- -	6871DD1006B	6871DD1014B	6871DD1006F	6871DD1006K				
LDF6810- -	-	6871DD1006D	6871DD1006H	6871DD1006M				

Interchangeable Parts: 6871DD1006A & 6871DD1006E; 6871DD1006C & 6871DD1006G; 6871DD1006B & 6871DD1006B & 6871DD1006H

Sump Assembly					
Period	501 ~ 512	601 ~612	701~		
P/No	3485ED1002A	3485ED1002B	AJH31248602		
Shape		The state of the s			
	P/I	No: 3485ED1002A & 3485ED1002B are	e interchangeable.		

New models with updated parts can be identified by ECN code on Rating label and confirmed by lower nozzle. (Applied date: 02.Jan.2007)

Old parts cannot be used in the new models.

*See SB IDSW20060052 Heater Relay

MODEL:LDF781157 / 01 120V-, 60 Hz 11.5A DMENSION: 23-78" (W)x USTED DMENSION: 23-78" (W)x 25" (D)x 33-78" (A) MADE IN KOREAF ASSIGNACE OF ASSIGNACE S2-78" (A) MADE IN KOREAF ASSIGNACE OF ASSIGNACE OF

LDF9810ST Page 49 DISHWASHER

SERVICE BULLETIN

DRAIN INSTALLATION

These installation instructions are intended for use by Qualified Installers.

Step 10

DRAIN LINE CONNECTION

- 1. If the end of the drain hose does not fit to the drain line, use an adapter (not supplied) that must be resistant to heat and detergent and may be obtained from a plumbing shop.
- 2. There are 2 typical connections as shown in Fig. E & F.
- ① There may be other options than shown here for connection of the drain hose. The drain connection must meet local plumbing regulations.
- ② The S trap spigot must be drilled out cleanly and free of obstruction to its maximum internal diameter, if used for drainage.
- ③ To prevent siphoning, one of the following instruction methods must be followed:

Fig. E: Connection to Disposer or Waste Tee.

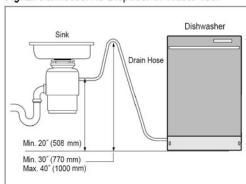
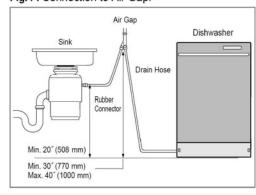
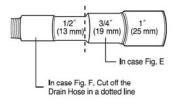


Fig. F: Connection to Air Gap.





Drain Requirements

- Follow local codes and ordinances.
- Do not exceed 10 ft. (3 m) distance to drain.
- Do not connect drain lines from other devices to the dishwasher drain hose.

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SERVICE BULLETIN

Service Bulletin



No.	IDSW20080076
Date	2007-12-02

	Factory	Facto	ory Model	Suffix	Model No		Factory	Factory Model	Suffix	Model No.
	EKHQ	D1401	ITB	ASTEEUS	LDF9810S	Г	EKHQ	LD-6090BB	ABPEEUS	LDS5811BB
	EKHQ	LD-60	90TB	ASTEEUS	LDS5811S	Т	EKHQ	LD-6090WB	ABWEEUS	LDS5811WM
Madel	EKHQ	LD-61	00BB	ABPEEUS	LDF7811B	В	EKHQ	LD-6100TB	ASTEEUS	LDF7811ST
Model	EKHQ	LD-61	00WB	ABWEEU	S LDF7811W	W	EKHQ	LD-6105BB	ABPEEUS	LDF7810BB
	EKHQ	LD-61	05TB	ASTEEUS	DF7810S	Г	EKHQ	LD-6105TB	ATTEEUS	LDF7810ST
	EKHQ	LD-63	00BB	ABPEEUS	S LDF6810B	В	EKHQ	LD-6300TB	ASTEEUS	LDF6810ST
	EKHQ	LD-63	00WB	ABWEEU	S LDF6810W	W	EKHQ	LD-6310TB	*****	LDF8812ST
D	Buyer N	ame	Buyer Co	de Bu	ıyer Name	Bu	yer Code	Buyer Name	Buyer C	ode
Buyer	LGEUS		US00000)1 LC	SEAI .	US	000002			
EFFECTIVE DATE	2007-12	2-02	EFFECT	IVE FRO	M (SERIAI	7:	12KR00	001		
Subject	Door Lin	er Ass	sembly Cl	nange fo	Improved	Dry	ing			

No.	Loc	Before	Change	After	Change	Note	K-	.Remark.
No.	No.	Part No	DESC./SPEC.	Part No	DESC/SPEC.	Note	Code	Remark
1	K100	4937DD1001B	Door Liner Assembly / MONDE-PJT NATURAL	4937DD1001C	Door Liner Assembly / Triumph Pjt NATURAL	D	1	
2	K110	5835ED2002D	Casing Assembly / MONDE-PJT 120V,60HZ 700mm Hole, Condensation Improve	ABT35083801	Casing Assembly / TRIUMPH PROJECT 110V/60HZ -	D	1	
3	K124	MJZ36939301	Vent / MOLD PP M710 P.P(M710) NATURAL T2.0 MONDE-PJT	MJZ39902101	Vent / MOLD PP M- 710 P.P(M710) NATURAL T1.5 TRIUMPH	D	1	
4	K140	/		5214ER4001S	Hose, Inlet / EXTRUSION EPDM EPDM BLACK T1.8 L730 D9.0 Monde PJT	D	1	
5	K141	/		4861FR3068M	Clamp / PRESS SCM T0.7 SCM NATURAL T0.7 HOSE D8.6 MF ZN8GH B TYPE	D	1	

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SERVICE BULLETIN

Service Bulletin

Reason Of Change

To improve Drying Performance.

SERVICER NOTES:

1 - The suffix at the end of the model number has changed for all models covered by this bulletin. Use the complete model number INCLUDING THE SUFFIX (e.g. LDF8812ST / 01) when ordering parts.

2 - This service bulletin shows changes that have been made in models in current production. For retrofit information for older dishwashers, see the appendices in the attached Adobe Acrobat (pdf) file.

IDSW20080076 Drying System.pdf (See pages 3 through 9 this bulletin)

** FILE THIS SERVICE BULLETIN WITH YOUR SERVICE MANUAL

	NOTE (**) : IN	KEY-WORD CODE	
	Parts Set		
7	Original Early	Original or new parts may be used in early or late production sets.	To improve performance
Α	New Late	U se original parts until exhausted, then stock new parts.	2. To improve productivity
D	OriginalEarly	Original parts may be used in early production sets only.	3. To improve reliability
В	New Late	New parts may be used in early or late production sets. Use original parts where possible, then stock new parts.	4. Change of material or dimension
_	Original Early	New parts only may be used in early or late production sets.	5. Addition
	New Late	Stock new parts.	6. Deletion
Б	Original Early	Original parts only may be used in early production sets.	7. Correction
D	New Late	New parts may be used in late production sets only. Stock original and new parts.	

CHIEF ENGINEER, approved Factory.

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SERVICE BULLETIN

SERVICE BULLETIN

Page: 1 of 2

DISHWASHER

LG Electronics Inc.

Date of issue: 18 December 2007

Buyer Model: LDF9810ST, LDF8812ST, LDF6810**, LDS5811** LGE Model: D1401TB, LD-6310TB, LD-6300**, LD-6090** Effective Date: 03 December 2007 Buyer Name: EUS / ECI

Applicable Serial No: 712KWxx00001

SUBJECT: Part Change for Drying Performance

- 1. Phenomenon: Change Doorliner Assembly. (Casing Assembly & Vent)
- 2. Reason: To improve Drying Performance.

*. Service Caution: Note that the suffix at the end of the Model number has changed for all models. Be sure to use the complete model number, including the suffix (e.g. LDF8812ST / 01), when ordering parts.

3.Changed parts:							
	BEFORE (S/N 701KW###### - 711KW#####) LDF7811XX / 01, LDF7810XX / 01 LDS5811XX / 01, LDF6810XX / 01 LDF8812ST, LDF9810ST	AFTER (S/N 712KW######) LDS5811XX / 02, LDF6810XX / 02 LDF8812ST / 01, LDF9810ST / 01					
*Casing assembly & vent were changed to improve drying performance *Hose added to route condensate into tub	4937DD1001B	4937DD1001C					

*Int		Alphabetic Code		Numeral Code	
ercha	A	Interchangeable: Old and new parts can be used in products as the bulletin regardless of manufacturing date.		To improve performance To improve productivity	5. W. WOO
*Interchangeability	В	Old parts can be substituted for new: Old parts can be used in products regardless of manufacture date. New parts can be used in new products only.	1063	To improve reliability Change of material or dimension	Research Engineer Dishwasher Gr. Washing Machine Lab
25.00	C	New parts can be substituted for old parts: Only new parts can be used in products regardless of manufacture date.	5	Addition Deletion	LG Electronics DAC
Code	D	Not interchangeable: New parts can be used in new products only.	7	Correction	

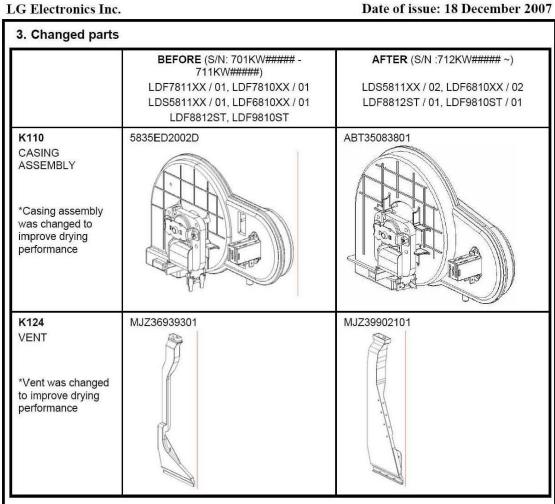
SERVICE BULLETIN

SERVICE BULLETIN

Page: 2 of 2

DISHWASHER

LG Electronics Inc.



*Interchangeability Code		Alphabetic Code	Numeral Code		
	A	Interchangeable: Old and new parts can be used in products as the bulletin regardless of manufacturing date.	To improve performanc To improve productivity		
	В	Old parts can be substituted for new: Old parts can be used in products regardless of manufacture date. New parts can be used in new products only.	3 To improve reliability 4 Change of material or dimension		
	C	New parts can be substituted for old parts: Only new parts can be used in products regardless of manufacture date.	5 Addition 6 Deletion		
	D	Not interchangeable: New parts can be used in new products only.	7 Correction		

S. W. Woo

Research Engineer Dishwasher Gr. Washing Machine Lab LG Electronics DAC

SERVICE BULLETIN

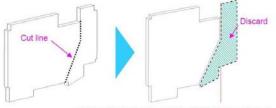
Service Bulletin

Appendix. A

If it is necessary to retrofit an earlier model with the new drying system, please
follow the instructions below for modifying or replacing parts.

- 1) Remove the front door panel and the control panel.
- 2) Remove the old blower and the vent.
- 3) Cut the door liner white felt pad as shown.* Scissors work best for cutting the felt. (See Appendix C for the part number if the felt is to be replaced.)

*NOTE: The white felt can be marked with a felt pen using the new vent as a template.



* Use scissors to remove the highlighted portion of the felt pad where it interferes with the vent as shown,

- 4) Assemble and mount the new blower & vent.
- 5) The control panel frame must be modified or replaced. If it is to be modified for blower clearance, cut out the areas shown in the photos below.* Test fit panel to door liner prior to assembly to make sure panel does not touch blower motor or housing as this could cause excess noise.
- *NOTE: It is not recommended that the control panel or front door panel on semi integrated washers be modified. Retrofit of the new drying system to LDS5811xx models should only be done by replacing the front door panel and control panel. (see Appendix C for parts)



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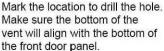
SERVICE BULLETIN

Appendix. A

* Retrofit instructions continued

- 6) Using the new vent as a template, drill a new hole* for mounting the vent. Attach the vent using the black screw from the old vent. Align the bottom of the vent with the bottom of the door panel when assembling the vent.
- * NOTE: Be careful not to damage the door liner when drilling the hole.



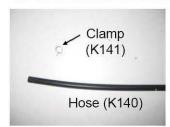


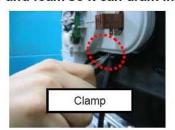




Drill the pilot hole. Be careful not to damage the door liner when drilling the hole.

7) Attach one end of the rubber drain hose to the fitting on the bottom of the blower housing and secure with the clamp. Route the drain hose down the right side of the door behind the screw and foam so it can drain into the tub.







8) Secure the drain hose in position with the retaining wire at the dispenser or a piece of tape as needed.





9) Reassemble the control panel and the front door panel. Test for proper operation.

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SERVICE BULLETIN

Service Bulletin

Appendix. B

B-1. Drying system Improvement History

2005 - 2006		Jan. – Nov., 2007	Since Dec., 2007	
Drying Performance (%)	70	75	88	
Tub Moisture	Not bad	Good	Excellent	
Condensation	Not bad	Excellent	Excellent	
Applied Model Check the Model suffix (ECN Code) in the Rating Label	LDF7811XX LDF7810XX LDS5811XX LDF6810XX	LDF7811XX / 01 LDF7810XX / 01 LDS5811XX / 01 LDF6810XX / 01 LDF8812ST LDF9810ST	LDS5811XX / 02 LDF6810XX / 02 LDF8812ST / 01 LDF9810ST / 01	

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SERVICE BULLETIN

Appendix. C

C-1. Modified parts to improve drying performance.Check original parts & replace (or modify) with new parts to improve drying performance.

	BEFORE	AFTER
F001 FRAME ASSEMBLY, LOWER *Frame was modified to avoid interference with new vent	AGL33667101	AGL33667101 Square Hole added (Jan. 2007)
F174 HINGE BRACKET *Hinge bracket was modified to include a new vent mounting hole	4810DD1001A	Drill a holc for attaching the new vent.
FELT (In Front cover) Felt was modified to avoid interference with new vent	4766DD1001B	4766DD1001A Trim (Dec. 2007) Remove the interference portion

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SERVICE BULLETIN

Appendix. C

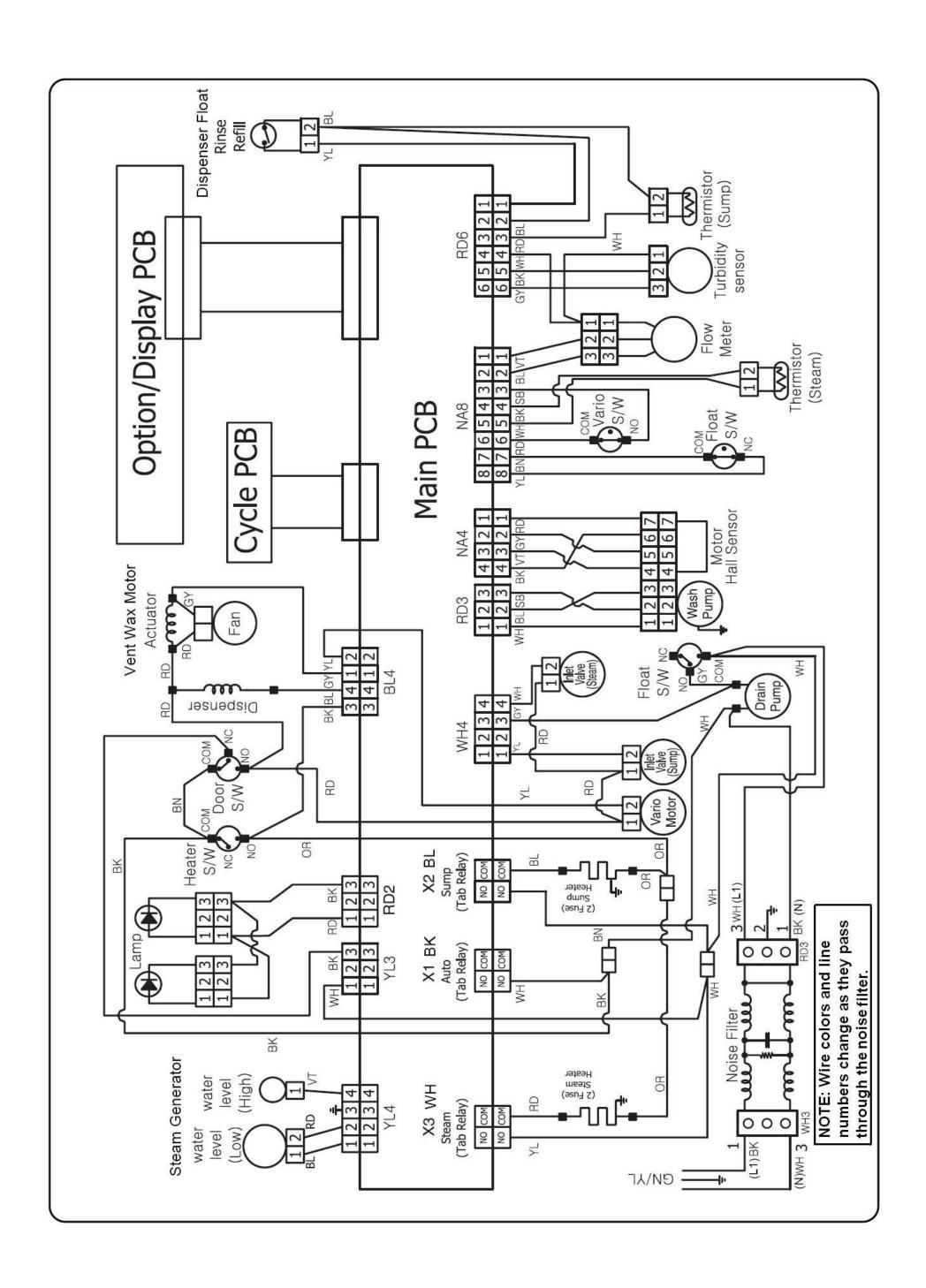
C-2. Modified parts to improve drying performance.- Check original parts & replace (or modify) with new parts to improve drying performance.

		art Numbers	BEFORE	AFTER	
K010 (LDS5811 Series only) Front Cover	W	3550DD1004A		Trim (Dec. 2007)	
*Front Cover was modified to avoid interference with new	ВВ	3550DD1004B			
blower assembly.	S	3550DD1004C	NOTE: It is not recommended that	these parts he modified - replace	
K200 (LDS5811 Series only)	W	AGL32586501	the control and door panels if install integrated	ing a new drying system on a semi-	
CONTROL PANEL ASSEMBLY *Control panel was modified to avoid	ВВ	AGL32586502		Trim	
interference with new blower assembly.	S	AGL32586503		(Aug., 2007)	
(LDF9810ST only) CONTROL PANEL ASSEMBLY *Control panel was modified to avoid interference with new blower assembly.	AGL33667101			Trim (Aug., 2007)	
K200 (LDF8812ST only) CONTROL PANEL ASSEMBLY *Control panel was modified to avoid interference with new blower assembly.	AGL32598401			Trim (Aug., 2007)	
K200 (LDF6810 Series only)	W	AGL32599305	P. Annie		
CONTROL PANEL ASSEMBLY *Control panel was modified to avoid	ВВ	AGL32599306	O D TO THE STATE OF THE STATE O		
interference with new blower assembly.	S	AGL32599304		Trim (Aug., 2007)	

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LDF9810ST		DISHWASHER
	NOTES	





BUTTON The number of pushing button		Top Display	Load and Checking points		Door open/ closed
Rinse + Spray + Power	1 TIME	0n:3H / 0U:00	All LEDs are lit		Both
Soak	1 TIME	00:00	All LEDs are lit		Both
Power Scrub	1 TIME	11:11	All LEDs are lit		Both
Normal	1 TIME	22:22	All LEDs are lit		Both
Steam Delicate	1 TIME	33:33	All LEDs are lit		Both
Quick	1 TIME	44:44	All LEDs a	re lit	Both
Rinse Only	1 TIME	55:55	All LEDs a	re lit	Both
Steam	1 TIME	66:66	All LEDs a	re lit	Both
Rinse	1 TIME	77:77	All LEDs a	re lit	Both
Spray	1 TIME	88:88	All LEDs a	re lit	Both
Half Load	1 TIME	99:99	All LEDs are lit		Both
	1 TIME	Steam generator Temp (°C)	Steam generator Thermistor	All LEDs	Both
	2 TIMES	0n:H1	Steam generator Heater (for 1.2 sec)	All LEDs	Closed
	3 TIMES	0n:33	Drain Pump	All LEDs	Both
	4 TIMES	① Frequency	Inlet Valve	All LEDs	Closed
	5 TIMES	0n:35	Dispenser	All LEDs	Closed
Delay start	6 TIMES	0n:36	Sump Heater (for 10 sec)	All LEDs	Closed
1	7 TIMES	0n:37	Fan Motor	All LEDs	Closed
	8 TIMES	0n:38		All LEDs	Closed
	9 TIMES	Sump Temp (℃)	Sump Thermistor	All LEDs	Both
	10 TIMES	2 Soil level	Soil sensor	All LEDs	Both
	11 TIMES	0n:3b / Motor RPM	Wash Pump	All LEDs	Closed
	12 TIMES	Steam generator Water level	③H<50↑/L>200↑	All LEDs	Both
	13 TIMES	0n:3d	Lower Nozzle (Vario)	All LEDs	Closed
	14 TIMES	0n:3E	Upper Nozzle (Vario)	All LEDs	Closed
	15 TIMES	0n:3F (RPM, Frequency)	W/Pump+Vario+ Heater (for 1min)	All LEDs	Closed

① Normal water level: $270 \sim 275$

2 Pure water: more than 130

3 H: High water level / L: Low water level

Steam Demo mode: Steam + Power